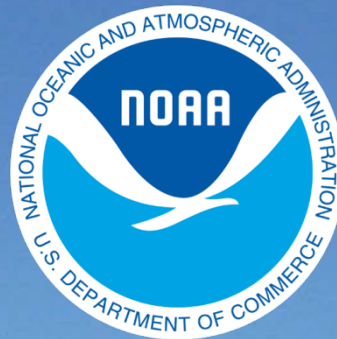


BookletChart™

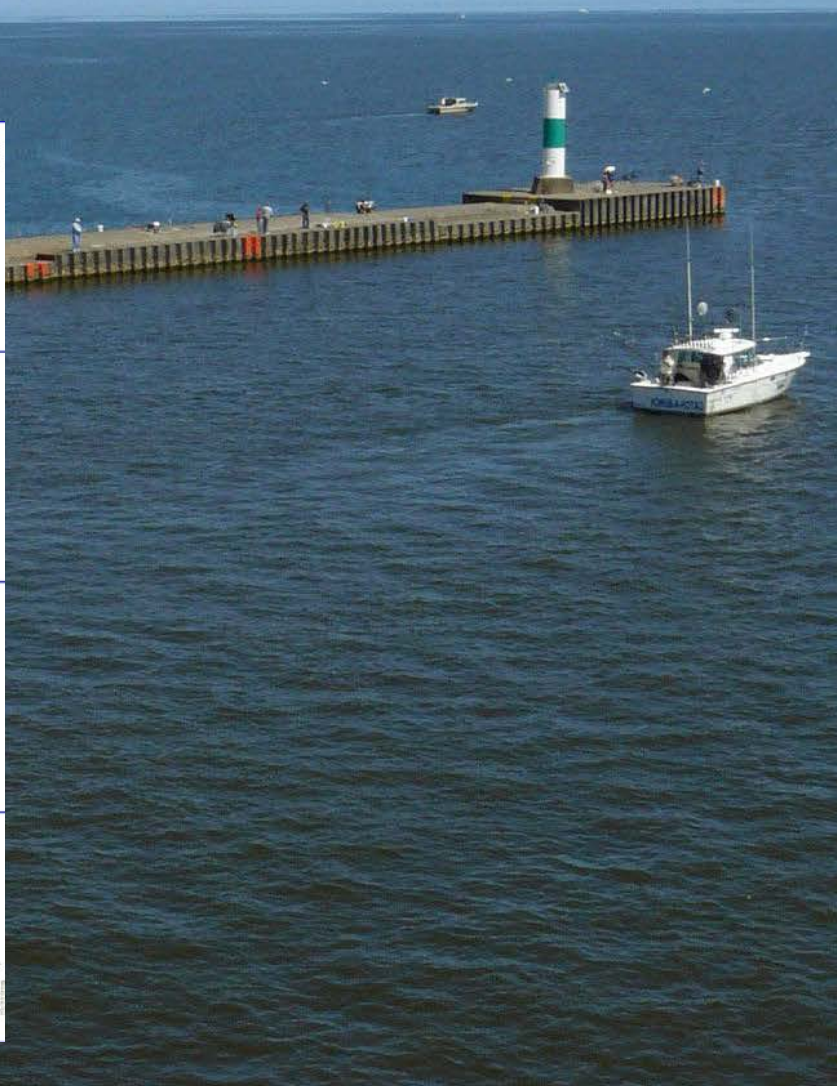
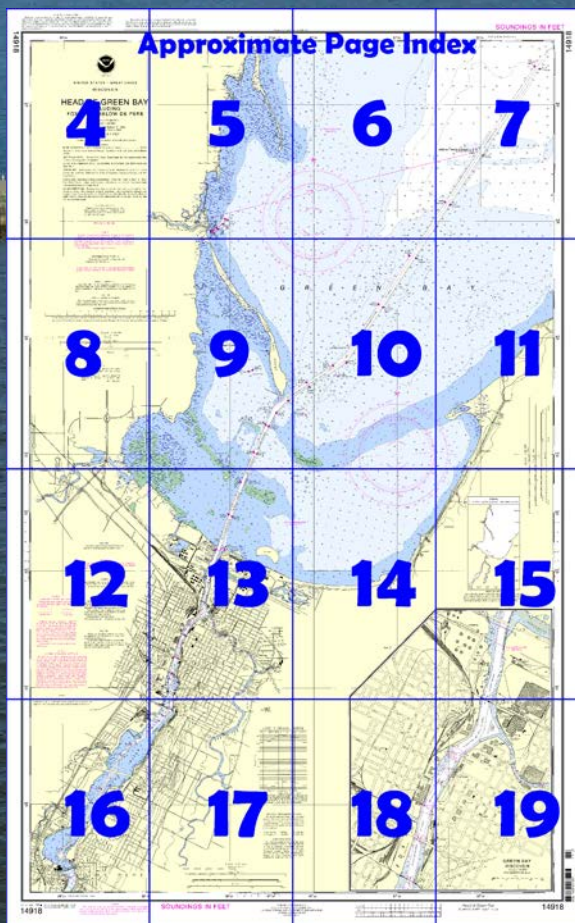


Head of Green Bay, Including Fox River below De Pere NOAA Chart 14918

***A reduced-scale NOAA nautical chart for small boaters
When possible, use the full-size NOAA chart for navigation.***



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA**

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™ ?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=14918>



(Selected Excerpts from Coast Pilot)

Sturgeon Bay (described with the Sturgeon Bay Ship Canal) extends about 8 miles southeast from Green Bay.

Caution.—Aids to navigation in Sturgeon Bay have been placed with respect to traversing the bay from Lake Michigan through the Sturgeon Bay Ship Canal to Green Bay.

Sherwood Point Light (44°53.6'N., 87°26.0'W.), 61 feet above the water, is shown from a white square tower with

attached dwelling on the SW side of the entrance to Sturgeon Bay.

From Sherwood Point Light the shore trends southwest for 4 miles to a narrow peninsula that extends 1.2 miles northwest from shore. **Snake Island** is close off the end of the peninsula. From the northeast side of the peninsula and Snake Island, a shoal bank with depths of 2 to 18 feet extends 3.5 miles north-northeast. **Sherwood Point Shoal**, a detached 11-foot shoal marked on the north side by a lighted buoy, is off the north end of this shoal bank and 1.9 miles north-northwest of Sherwood Point. These shoals are a hazard to vessels navigating between Sturgeon Bay and the south end of Green Bay and should be given a wide berth. From Little Sturgeon Bay southwest for about 7 miles, the shore is generally deep-to, thence for 16 miles southwest to the village of **Red Banks, WI**, the shoal border is 0.25 to 1 mile wide. A detached 10-foot shoal is 1.5 miles offshore 3.5 miles north of Red Banks. The south end of Green Bay, from Red Banks to the mouth of Fox River, has depths of 18 feet and less. From **Point Sable** (44°34.7'N., 87°54.7'W.), 3 miles southwest of Red Banks, **Frying Pan Shoal**, with 1-foot depths and spots awash extends W across the Bay to Long Tail Point. A dredged deep-draft channel leads through the shoals at the south end of Green Bay to the mouth of Fox River.

Prominent features.—The most prominent objects in the approach to Green Bay are a tank 4 miles east-southeast of the mouth of Fox River, a lighted stack 1.1 miles south of the river mouth, a stack 2.1 miles northwest of the river mouth, and a tank 3.5 miles northwest of the river mouth at the town of Howard.

Green Bay Harbor Entrance Light (44°39'11"N., 87°54'04"W.), 72 feet above the water, is shown from a white conical tower on a cylindrical base on the west side of the entrance channel 9.3 miles northeast of the mouth of the Fox River; a seasonal sound signal is at light..

The dredged entrance channel leads generally southwest through the shallow water in the south end of Green Bay for about 11.5 miles to the mouth of Fox River and thence upstream for about 7.2 miles to a turning basin at De Pere. Other turning basins are on the east side of the channel 1.4 miles above the mouth, at the mouth of East River, and on the west side of the channel 3.6 miles above the mouth, just above the Canadian National Railroad bridge. (See Notice to Mariners and the latest of the chart for controlling depths.) The entrance channel is well marked by lighted ranges, lights, lighted and unlighted buoys. The river channel is marked by buoys from the second turning basin to the turning basin at De Pere.

East River empties into the east side of Fox River 1.3 miles above the mouth. The river is navigable to Baird Street bridge, 1.3 miles above the mouth. A depth of about 5 feet can be carried through the narrow and tortuous channel.

Caution.—**Grassy Island**, on the E side of the entrance channel, 1.3 miles NE of the Fox River mouth, and **Cat Island**, on the W side of the channel opposite, partially cover during periodic high-water conditions. Grassy Island is marked on the NW end by a light.

In the approaches to Fox River, outside the limits of the dredged channel, numerous uncharted fish nets and stakes make navigation hazardous, particularly for strangers.

A crescent-shaped spoil area is about 1 mile E of the mouth of Fox River.

Fluctuations of water level.—Changes in wind direction or barometric pressure occasionally cause temporary water level fluctuations of up to 2 ½ feet above or below the prevailing mean lake level.

Currents.—Currents in Fox River attain velocities to 3 mph and may run in either direction.

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Cleveland

Commander
9th CG District
Cleveland, OH

(216) 902-6117

Table of Selected Chart Notes

Pump-out facilities

NOTE B

A depth of 24½ feet for a mid - width of 150 feet is available from the channel entrance to buoy 15.

The Corps of Engineers should be consulted for changes to the above information.

Jul - Aug 2011

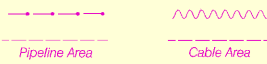
HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1902 must be corrected an average of 0.150" southward and 0.456" westward to agree with this chart.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered walls may be marked by lighted or unlighted buoys.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

○ (Accurate location) ◐ (Approximate location)

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Green Bay, WI	KIG-65	162.550 MHz
Sheboygan, WI	WWG-91	162.425 MHz

Extreme Levels (period of record)

Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

This chart falls entirely within the limits of a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. Commercial vessel sewage shall include graywater. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/vessel_sewage/vsdnozone.html.

Sailing courses and limits indicated in magenta are recommended by the Lake Carriers Association and the Canadian Shipowners Association.

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

CAUTION

Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

WARNING

The prudent manner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot 6 for details.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 9th Coast Guard District in Cleveland, Ohio, or at the Office of the District Engineer, Corps of Engineers, in Detroit, Michigan.

Refer to charted regulation section numbers.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

NOTE C

In October 2001, underwater obstructions were reported in the West draw. Depths of 6 feet were reported approximately 3 feet from the West pier, and a depth of 15 feet was reported approximately 5 feet from the West pier.

SOURCE DIAGRAM

Most of the hydrography identified by the letter "J" was surveyed by the U.S. Army Corps of Engineers prior to 1974. Channels currently maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

AUTHORITIES. Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure. The true bearing between any two points on this chart may be determined by connecting the two points with a straight line and measuring the angle of its intersection with a meridian line at or near the middle of the course.

SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1.

NOTES

PLANE OF REFERENCE OF THIS CHART (Low Water Datum)577.5ft
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or help@OceanGrafix.com.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

14918

88°04'

88°02'



UNITED STATES - GREAT LAKES

WISCONSIN

HEAD OF GREEN BAY INCLUDING FOX RIVER BELOW DE PERE

Polyconic Projection
Scale 1:25,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTES

PLANE OF REFERENCE OF THIS CHART (Low Water Datum) 577.5 ft
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

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SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1.

AUTHORITIES. Hydrography and topography by the National Ocean Service, Coast Survey with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

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Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

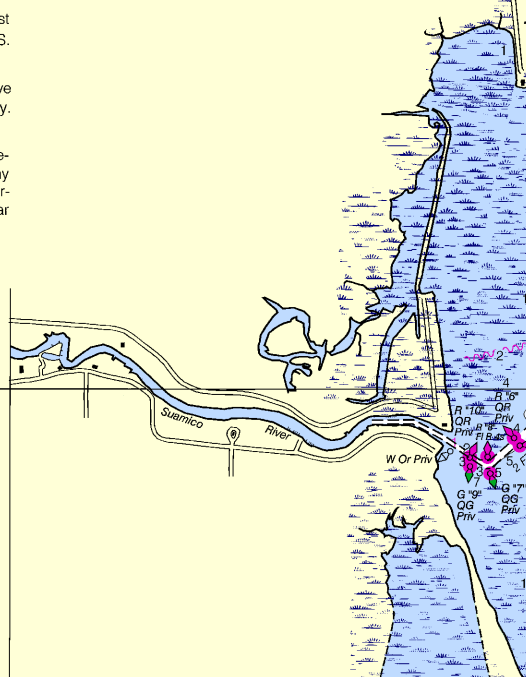
Ⓟ Pump-out facilities

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 9th Coast Guard District in Cleveland, Ohio, or at the Office of the District Engineer, Corps of Engineers, in Detroit, Michigan.
Refer to charted regulation section numbers.

SUPPLEMENTAL INFORMATION

Consult U.S. Supplemental Information Joins page 8

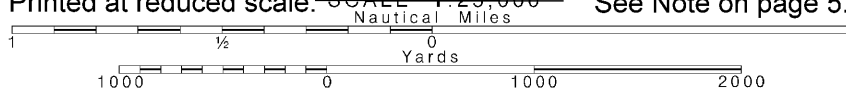


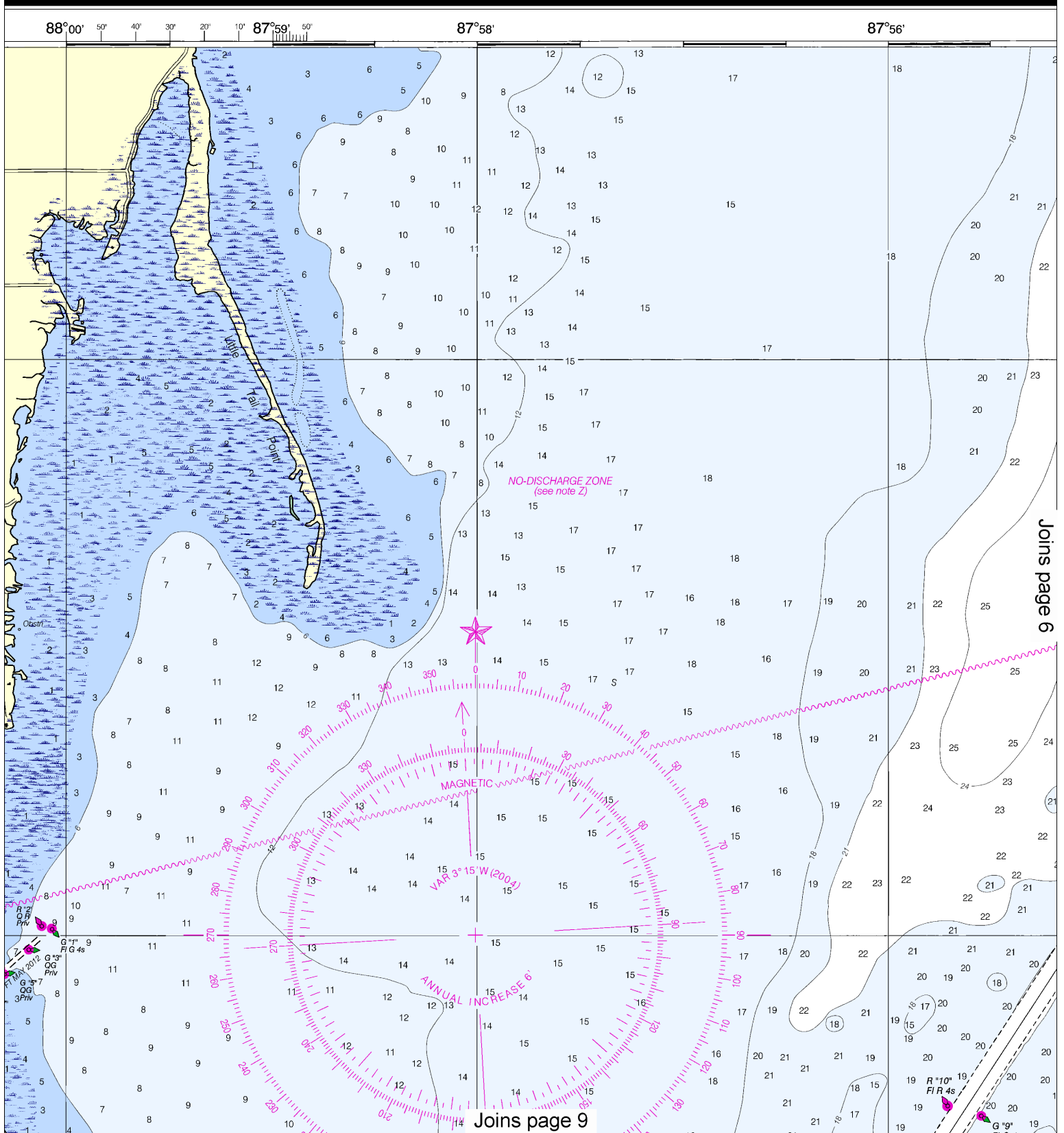
4

Note: Chart grid lines are aligned with true north.

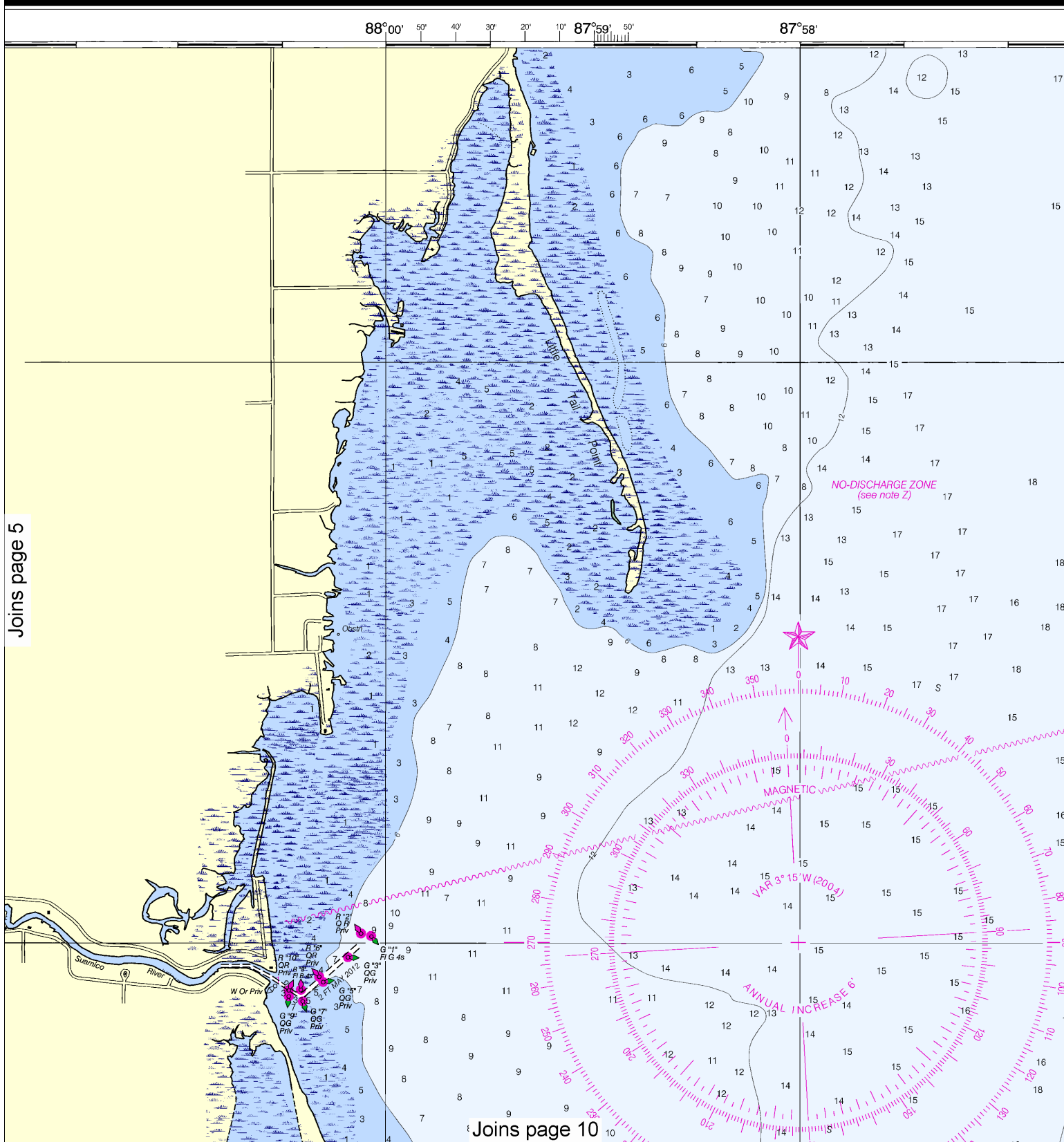
Printed at reduced scale. SCALE 1:25,000

See Note on page 5.





This BookletChart was reduced to 75% of the original chart scale.
 The new scale is 1:33333. Barscales have also been reduced and
 are accurate when used to measure distances in this BookletChart.



Joins page 5

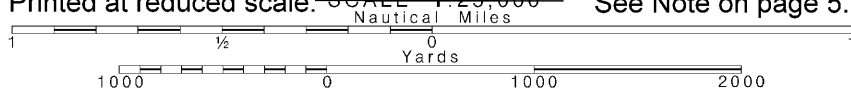
Joins page 10

6

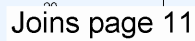
Note: Chart grid
lines are aligned
with true north.

Printed at reduced scale. SCALE 1:25,000

See Note on page 5.



14918



7

Joins page 4

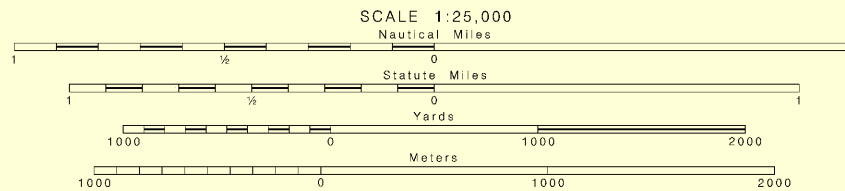
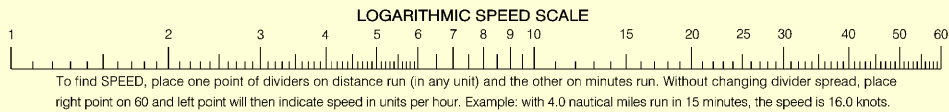
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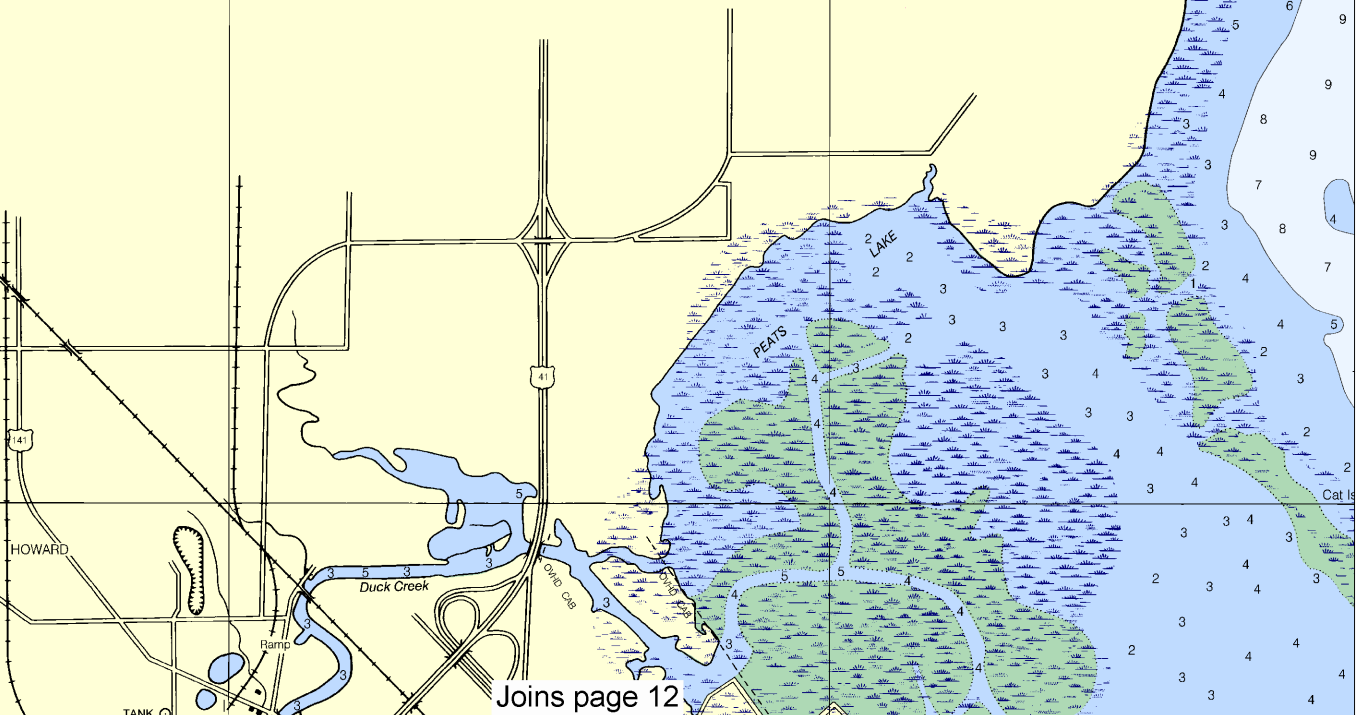
CAUTION
BASCULE BRIDGE CLEARANCES
For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.



NOTE B
A depth of 24½ feet for a mid-width of 150 feet is available from the channel entrance to buoy 15.
The Corps of Engineers should be consulted for changes to the above information.
Jul - Aug 2011

44°
36'

44°
34'

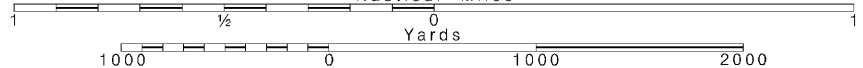


Joins page 12

8

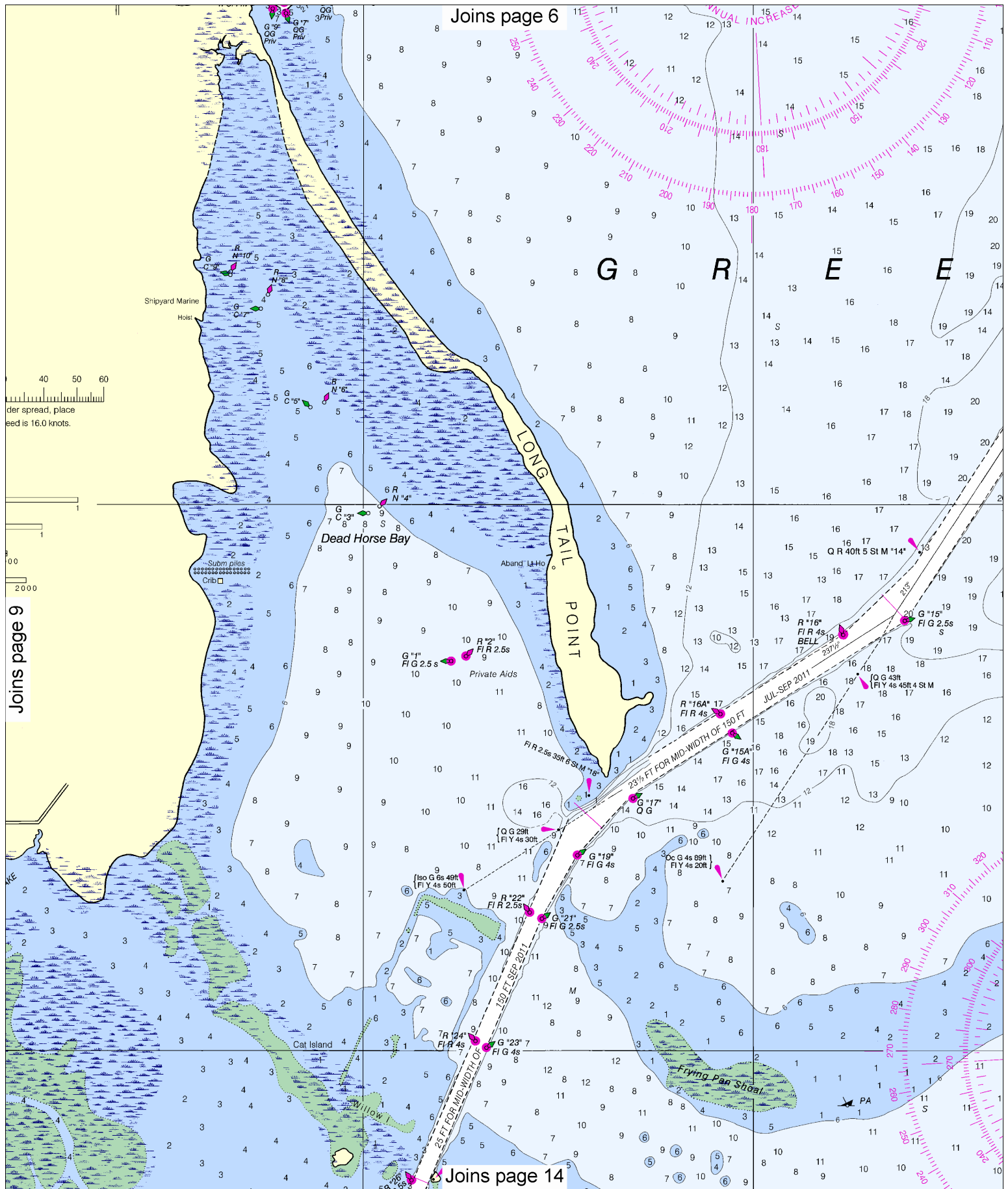
Note: Chart grid lines are aligned with true north.

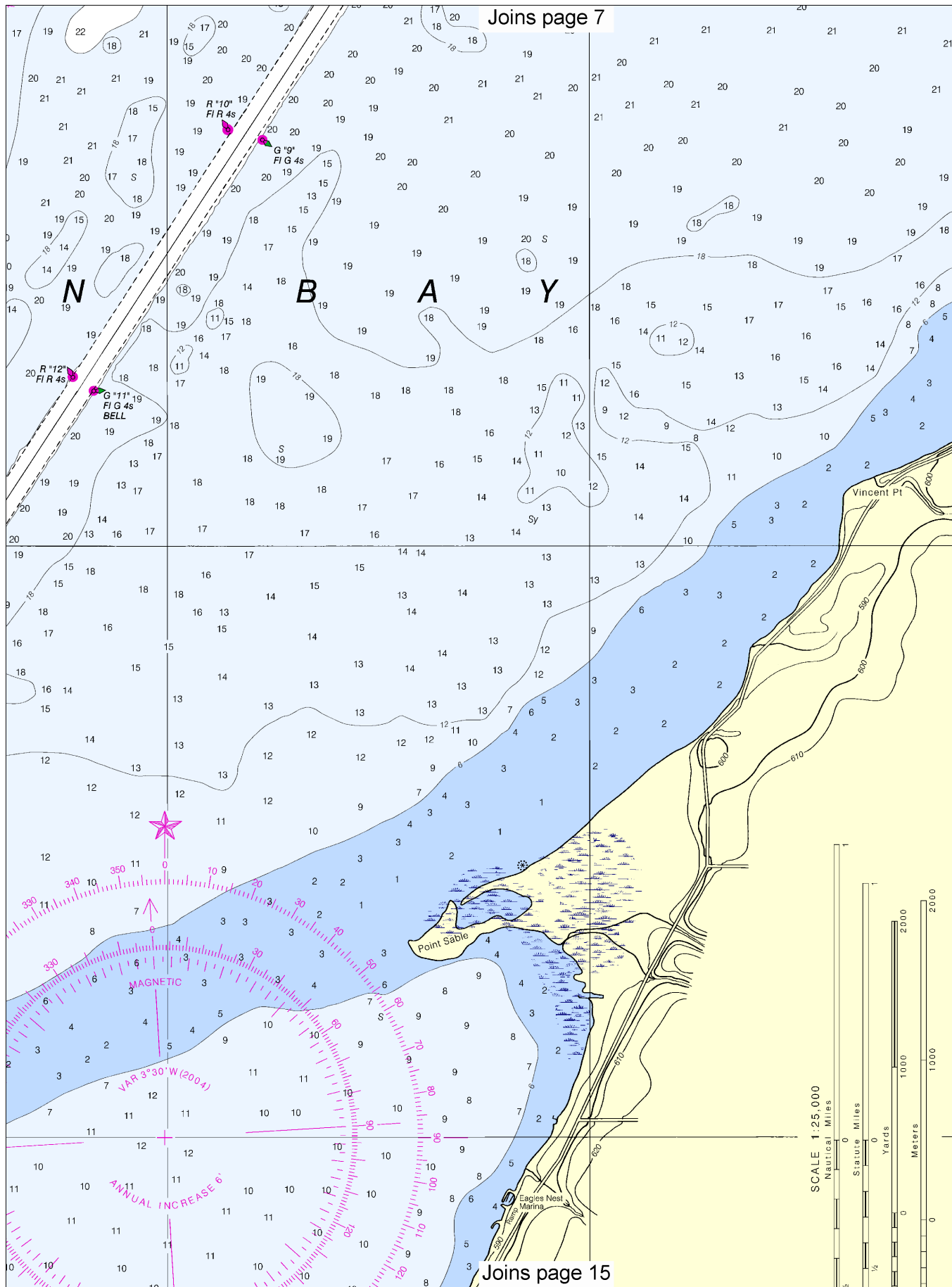
Printed at reduced scale. SCALE 1:25,000



See Note on page 5.

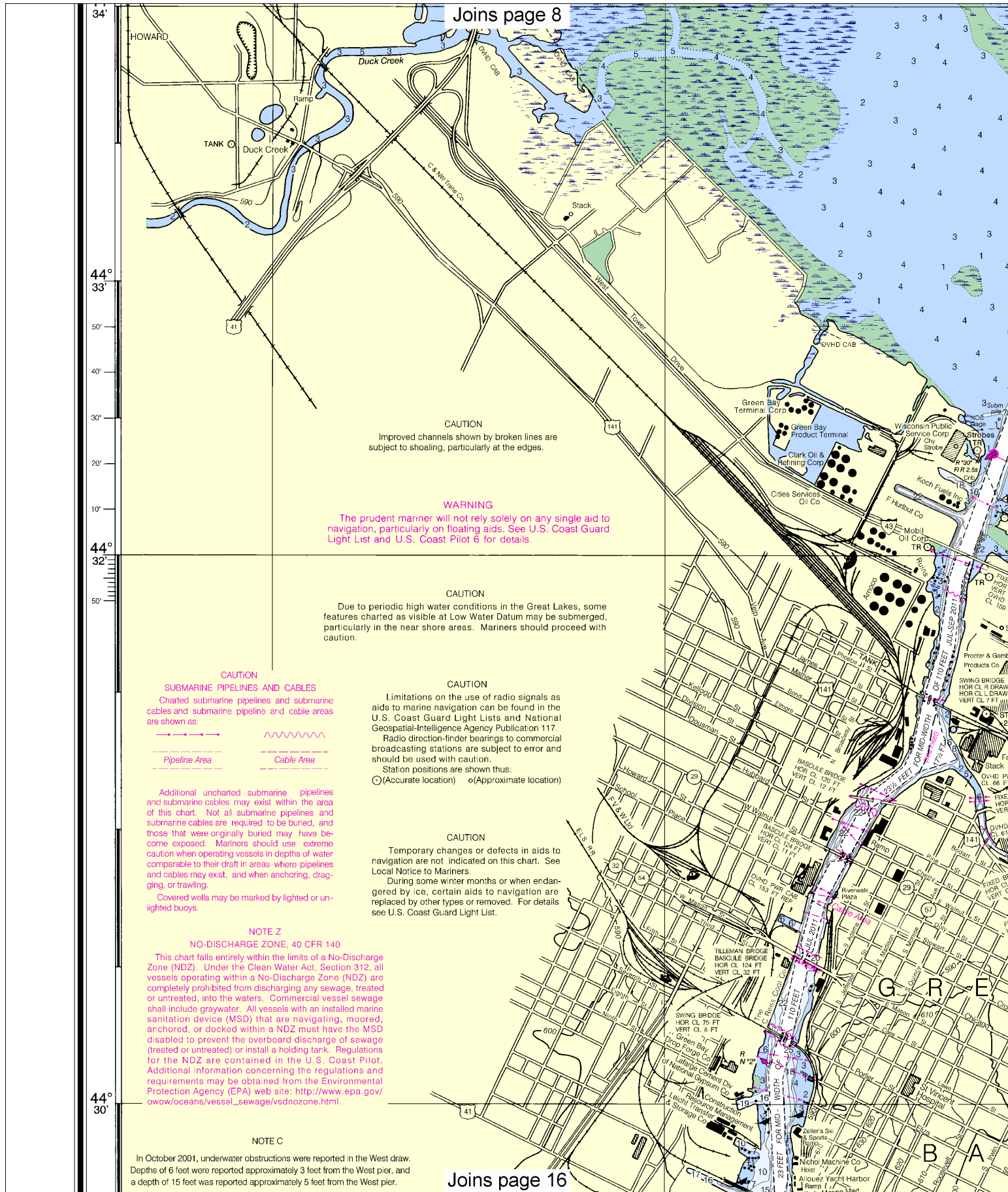


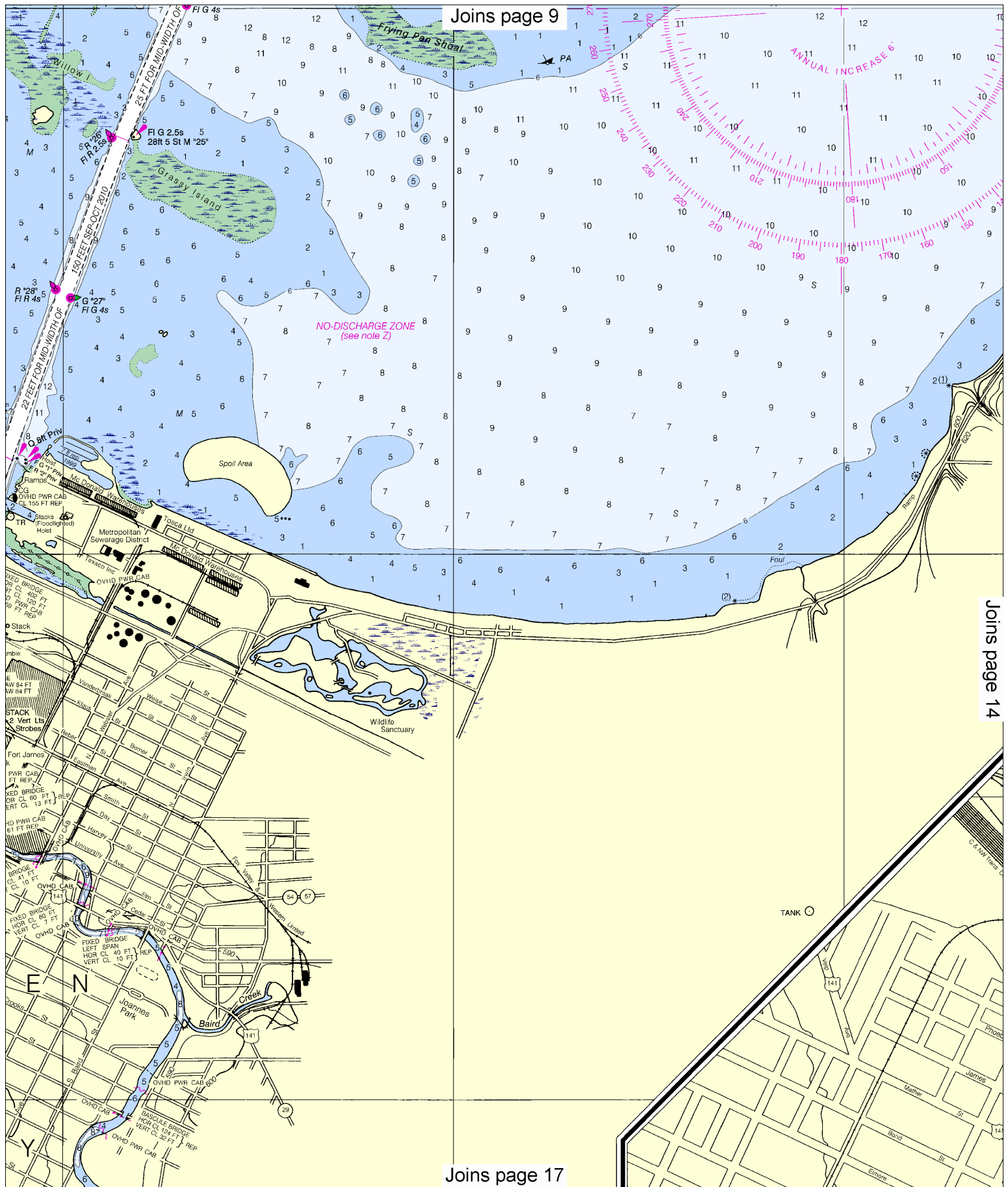




44° 36'

44° 34'

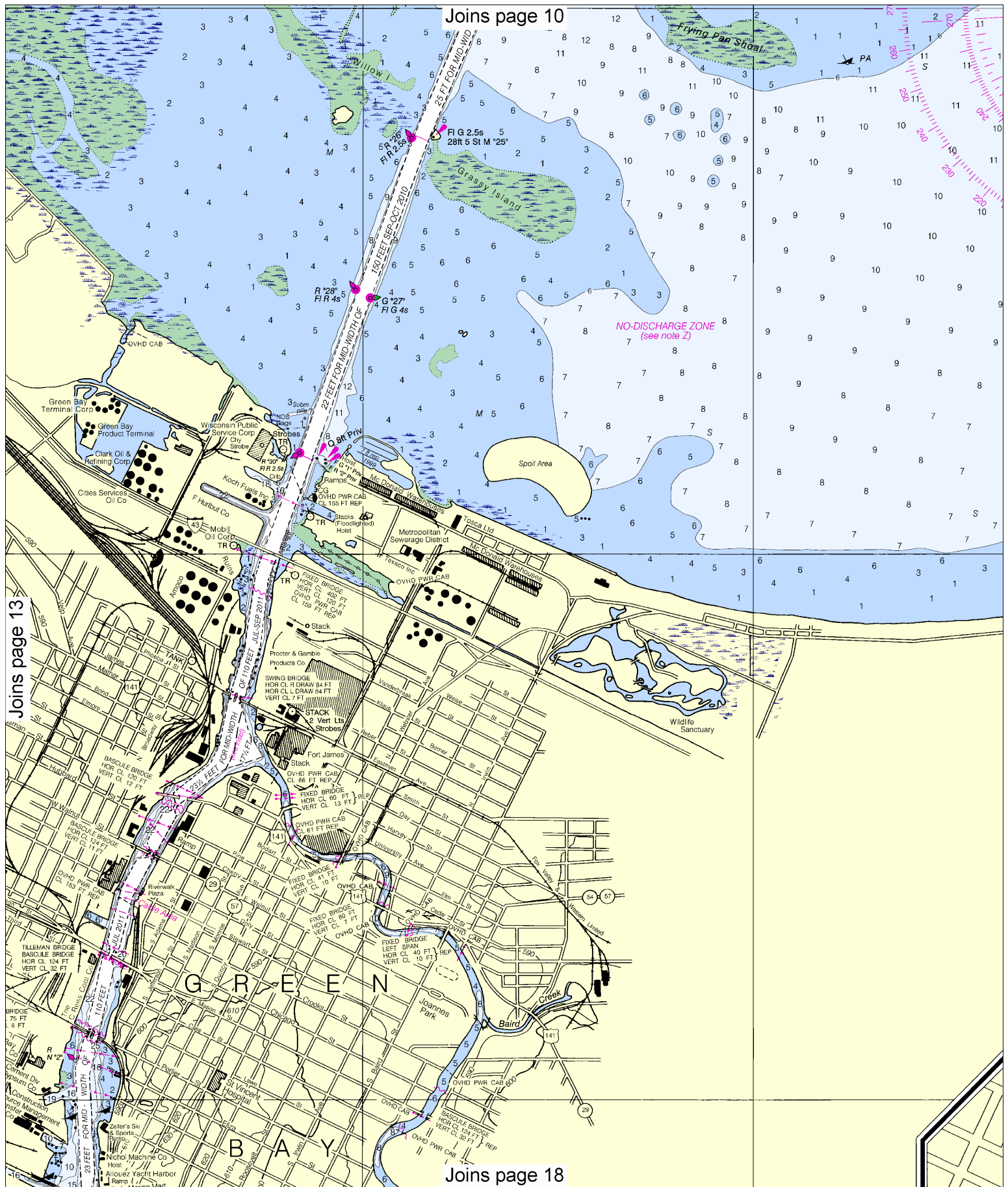




Joins page 9

Joins page 14

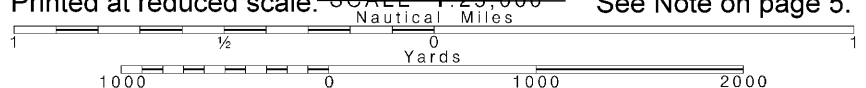
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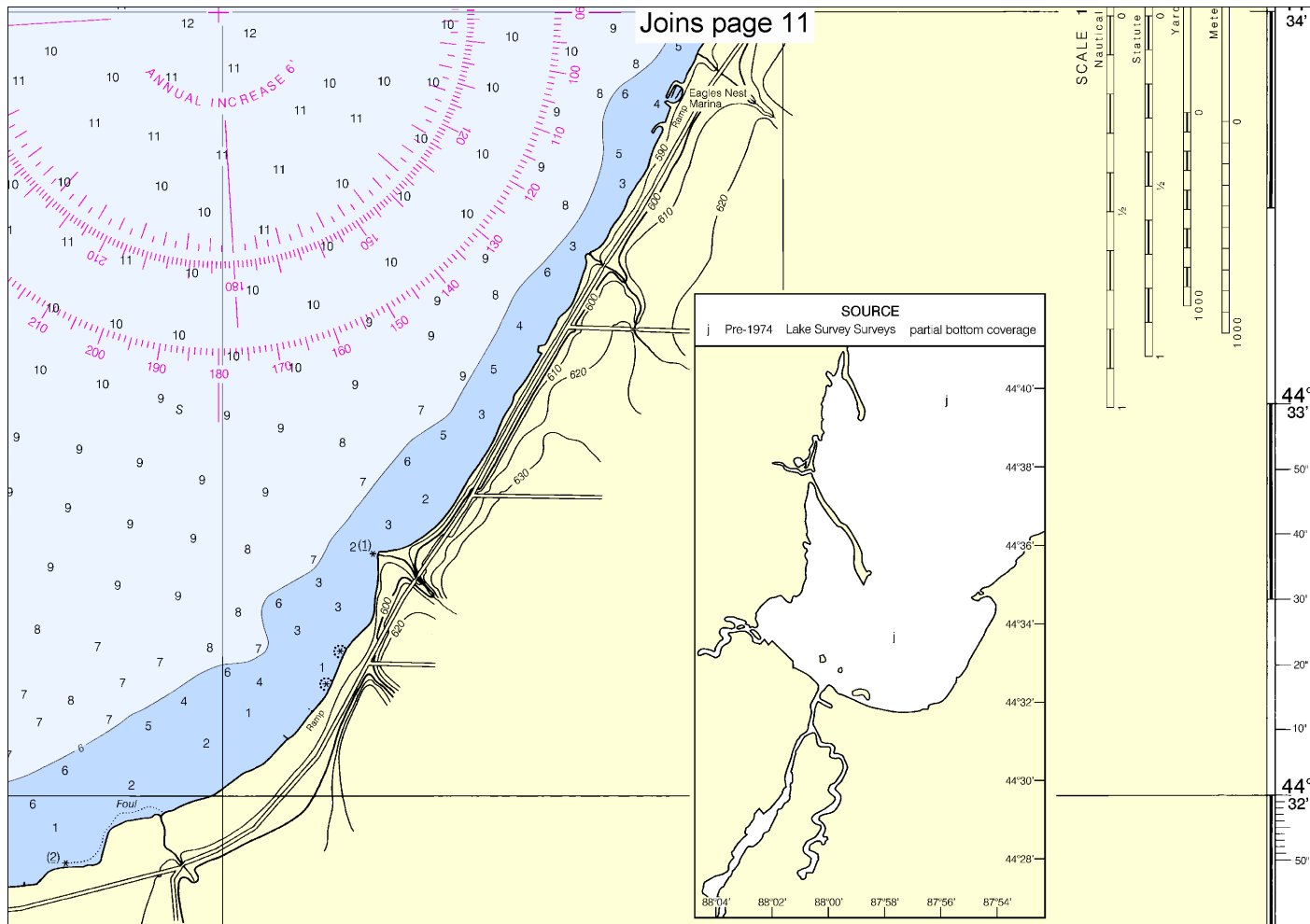


Note: Chart grid lines are aligned with true north.

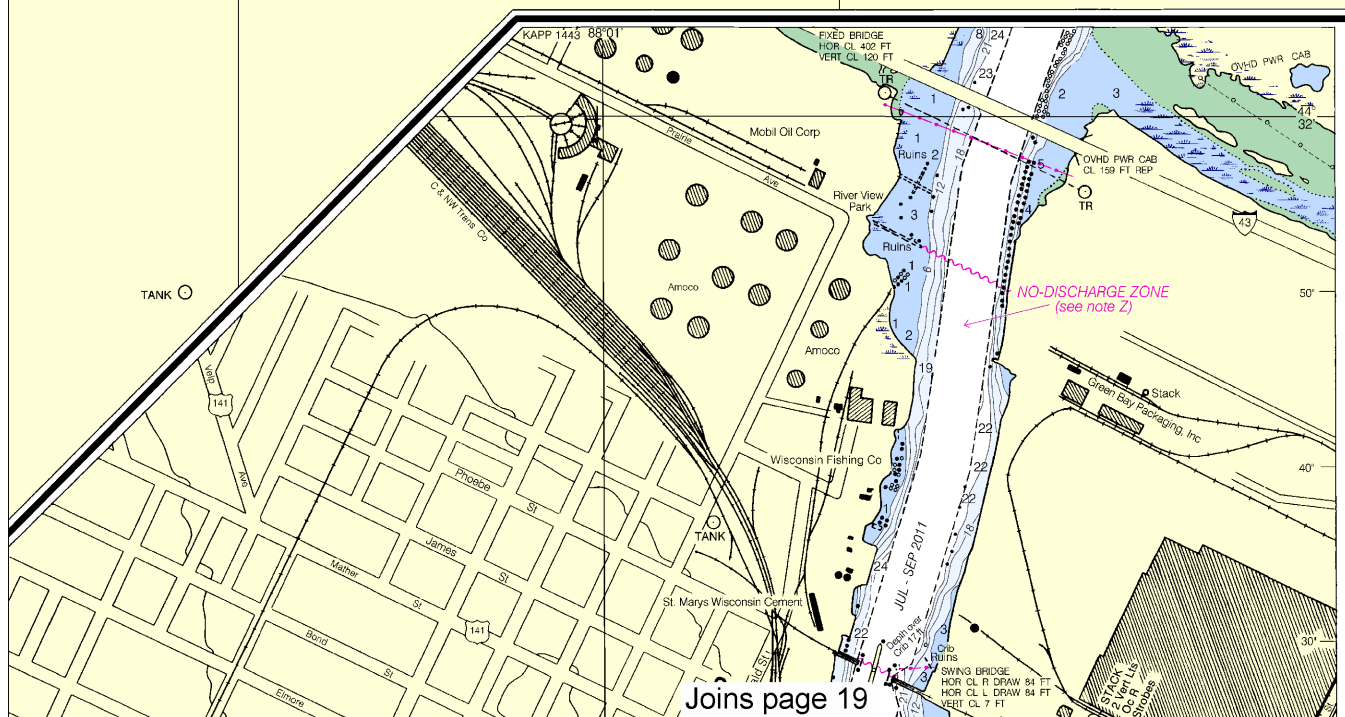
Printed at reduced scale. SCALE 1:25,000

See Note on page 5.





Most of the hydrography identified by the letter "j" was surveyed by the U.S. Army Corps of Engineers prior to 1974. Channels currently maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, *United States Coast Pilot*.



For the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/vessel_sewage/vsdnozone.html.

Joins page 12

44°
30'

NOTE C

In October 2001, underwater obstructions were reported in the West draw. Depths of 6 feet were reported approximately 3 feet from the West pier, and a depth of 15 feet was reported approximately 5 feet from the West pier.

44°
28'



88°04' CONTINUED ON CHART 14916

88°02'

27th Ed., Mar. / 04 ■ Corrected through NM Mar. 20/04
Corrected through LNM Mar. 09/04

14918

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

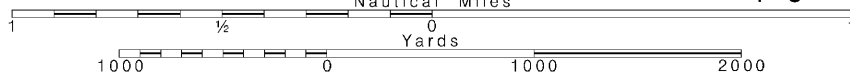
SOUNDINGS IN FEET

16

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:25,000

See Note on page 5.





NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Green Bay, WI	KIG-65	162.550 MHz
Sheboygan, WI	WWG-91	162.425 MHz

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1902 must be corrected an average of 0.150" southward and 0.456" westward to agree with this chart.

SCALE 1:25,000

Nautical Miles

Statute Miles

Yards

Meters

88°00'

87°58'

87°56'

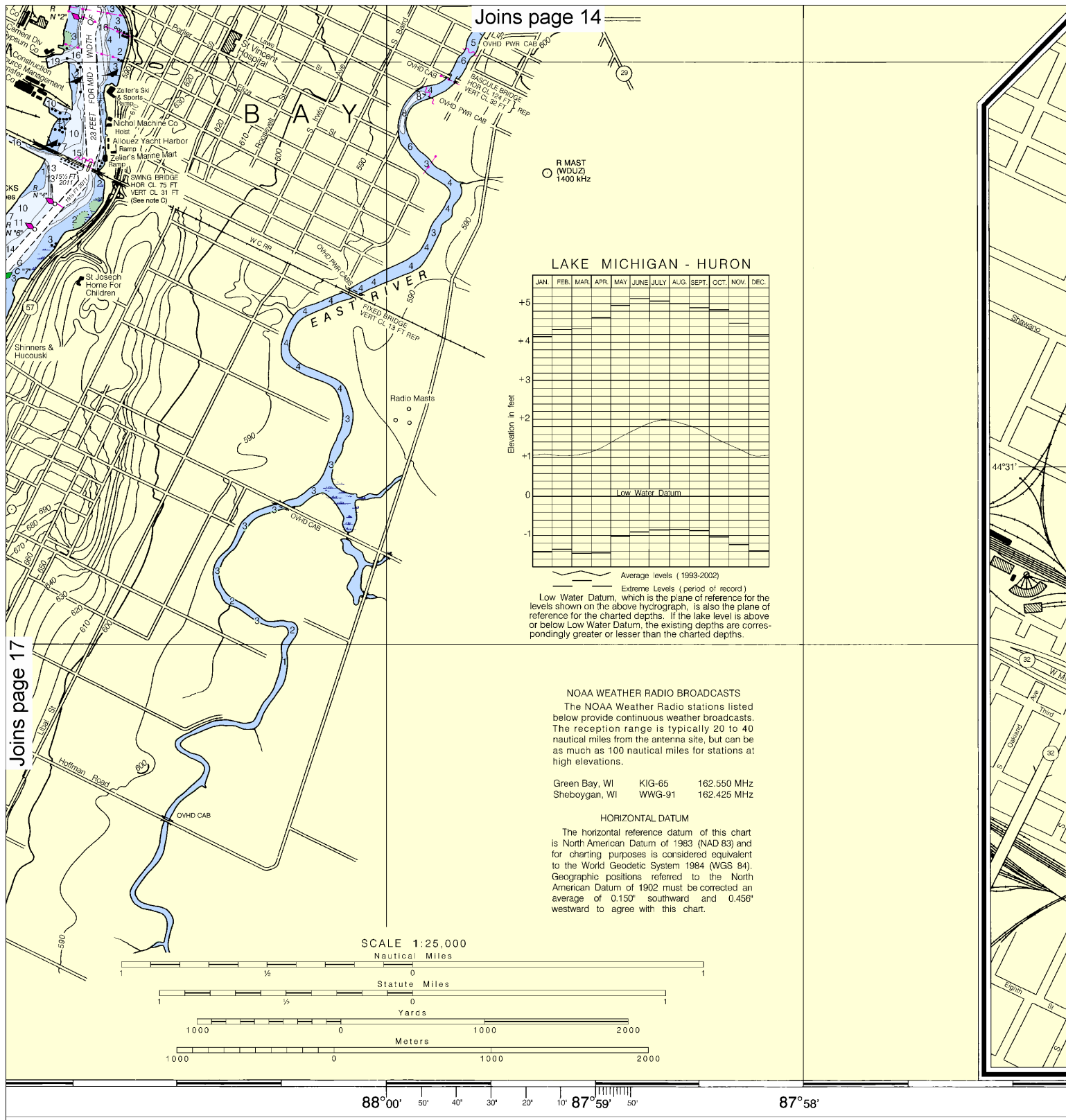


Joins page 18

EET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



SOUNDINGS IN FEET

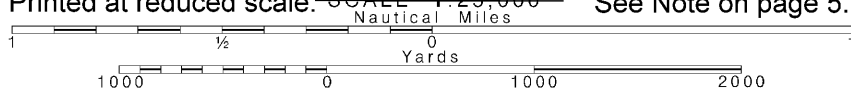
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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

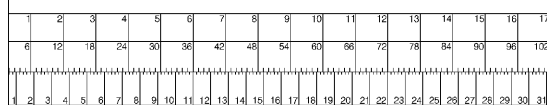
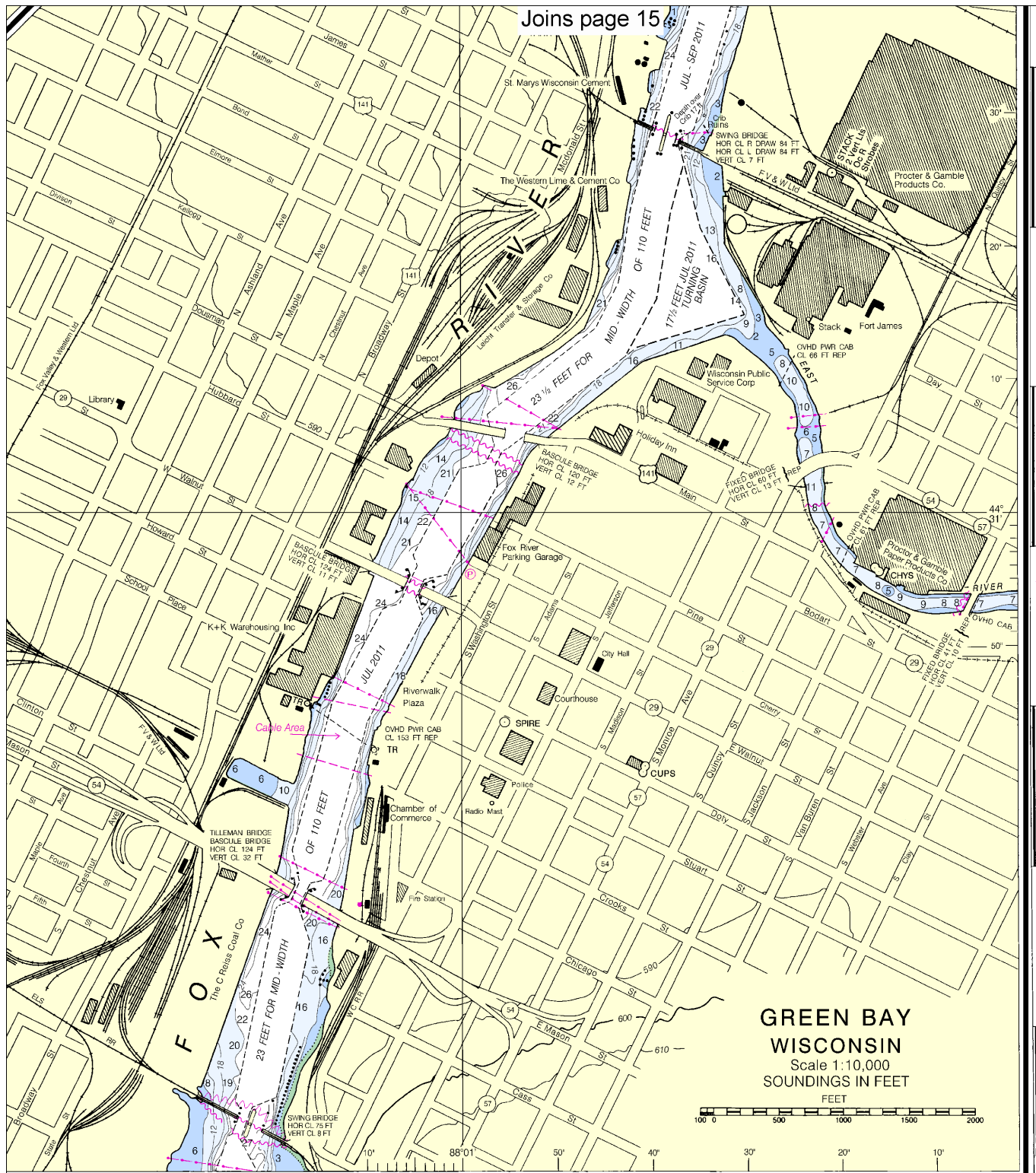
FATHOMS	
FEET	
METERS	

18

Note: Chart grid lines are aligned with true north.

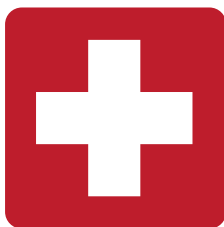
Printed at reduced scale. **SCALE 1:25,000** See Note on page 5.





Head of Green Bay
SOUNDINGS IN FEET - SCALE 1:25,000

14918



EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

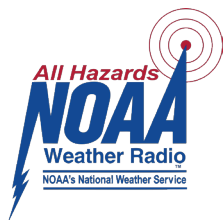
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

Quick References

Nautical chart related products and information	—	http://www.nauticalcharts.noaa.gov
Online chart viewer	—	http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html
Report a chart discrepancy	—	http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx
Chart and chart related inquiries and comments	—	http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs
Chart updates (LNM and NM corrections)	—	http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html
Coast Pilot online	—	http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
Tides and Currents	—	http://tidesandcurrents.noaa.gov
Marine Forecasts	—	http://www.nws.noaa.gov/om/marine/home.htm
National Data Buoy Center	—	http://www.ndbc.noaa.gov/
NowCoast web portal for coastal conditions	—	http://www.nowcoast.noaa.gov/
National Weather Service	—	http://www.weather.gov/
National Hurricane Center	—	http://www.nhc.noaa.gov/
Pacific Tsunami Warning Center	—	http://ptwc.weather.gov/
Contact Us	—	http://www.nauticalcharts.noaa.gov/staff/contact.htm



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NOAA's Office of Coast Survey



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